

***IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***

Applicant: Morten MELDAL et al.

Title: PEG-BASED MACROMONOMERS, CHEMICALLY INERT POLYMERS PREPARED THEREFROM AND THE USE OF THESE POLYMERS FOR ORGANIC SYNTHESIS AND ENZYME REACTIONS

Appl. No.: 09/787,881

Filing Date: 03/23/2001

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.56**

Commissioner for Patents  
Box PATENT APPLICATION  
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application.

**RELEVANCE OF EACH DOCUMENT**

Any document listed on the attached PTO-1449 was cited as being relevant during the prosecution of the corresponding European application. A copy of the European Search Report is attached setting forth the portion of each document considered relevant by the examiner. An English-language counterpart of document A7 has not been provided. The absence of a translation or an English-language counterpart document does not relieve the PTO from its duty to consider any submitted document (37 CFR §1.98 and MPEP§609).

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

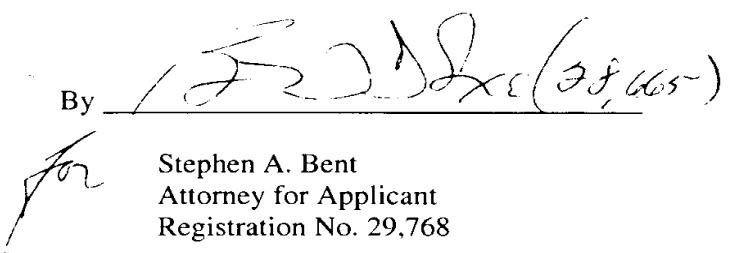
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date June 28, 2001

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
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		APPLICANT	Morten MELDAL et al.
		FILING DATE	GROUP ART UNIT
03/23/2001	Unassigned		

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	A1	5,352,756	10/04/1004	Meldal	525	50	
	A2	5,573,934	11/12/1996	Hubbell et al.	435	177	
	A3	4,774,356	09/27/1988	Inoue et al.	560	224	

**FOREIGN PATENT DOCUMENTS**

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
	A4	91/15952	10/31/1991	WIPO				
	A5	99/29759	06/17/1999	WIPO				
	A6	0 415 404	03/06/1991	EUROPE				
	A7	97/42242	11/13/1997	WIPO				XX

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	A8	GNANOU, Yves et al., "Macromonomer synthesis. New functionalization methods", <i>Makromol. Chem.</i> , 188, pp. 2111-2119, (1987)
	A9	BUCHARDT, Jens et al., <i>CHEMICAL ABSTRACTS</i> , vol. 130, no. 8, "A chemically inert hydrophilic resin for solid phase organic synthesis", 1 page, (February 22, 1999)
	A10	KAWAGUCHI, Seigou et al., <i>CHEMICAL ABSTRACTS</i> , vol. 121, no. 8, "Fluorescence Probe Study of Micelle Formation of Poly(ethylene oxide) Macromonomers in Water", 1 page, (August 22, 1994)
	A11	NOMURA, Eiji et al., <i>CHEMICAL ABSTRACTS</i> , vol. 126, no. 22, "Radical Polymerization Kinetics of Poly(ethyleneoxide) Macromonomers", 1 page, (June 2, 1997)
	A12	RADEMANN, Joerg et al., <i>CHEMICAL ABSTRACTS</i> , "SPOCC: A Resin form Solid-Phase Organic Chemistry and Enzymatic Reactions on Solid Phase" retrieved from STN", 1 page, (1999)
	A13	OGAWA, Ryutaro et al., <i>CHEMICAL ABSTRACTS</i> , "Graft polymer - used as functional polymers, biological polymers and in medical products", 1 page, (1997)

EXAMINER	DATE CONSIDERED

\* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.